S.V. CIVIL ENGINEERING CONSULTANTS
An ISO 9001 2008 Certified Company

Job No.: SVCE/BBMP/VC/W.No.17/2016-17

18.04.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
Agency	**: M/S Vrushabhadri Construction,** Bangalore.
Name of the work	: Construction of Second floor office for ARO (Yeshwanthpura) at JP park swimming pool parking area in ward no.17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.06.2016	18.04.2016	8.266	496.3	22.06
2	21.06.2016	18.04.2016	8.252	502.3	22.32
3	21.06.2016	18.04.2016	8.234	512.4	22.77

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For SV CIVIL ENGINEERING CONSULTANTS

Authorised Signator

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S.V. CIVIL ENGINEERING CONSULTANTS
An ISO 9001 2008 Certified Company

Job No.: SVCE/BBMP/VC/W.No.17/2016-17

28.03.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
Agency	**: M/S Vrushabhadri Construction,** Bangalore.
Name of the work	: Construction of Second floor office for ARO (Yeshwanthpura) at JP park swimming pool parking area in ward no.17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.06.2016	28.03.2016	8.152	345.2	15.34
2	21.06.2016	28.03.2016	8.164	358.3	15.92
3	21.06.2016	28.03.2016	8.136	364.8	16.21

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Job No.: SVCE/BBMP/VC/W.No.17/2016-17

18.04.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
Agency	**: M/S Vrushabhadri Construction,** Bangalore.
Name of the work	: Construction of Second floor office for ARO (Yeshwanthpura) at JP park swimming pool parking area in ward no.17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.06.2016	18.04.2016	8.252	523.6	23.27
2	21.06.2016	18.04.2016	8.246	531.4	23.62
3	21.06.2016	18.04.2016	8.289	506.8	22.52

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Job No.: SVCE/BBMP/VC/W.No.17/2016-17

TEST REPORT

Date: 17.02.2016

CLIENT	:	**Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
AGENCY	:	**M/S Vrushabhadri Construction,** Bangalore.
NAME OF THE WORK	:	Construction of Second floor office for ARO (Yeshwanthpura) at JP park swimming pool parking area in ward no.17, BBMP, Bangalore.
SAMPLE ID	:	Bricks Test – Class 5
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1)	5.32 N/mm²	Class designation 5
2	Water Absorption of Bricks	IS 3495-1992 (Part – 2)	15.43 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part – 3)	Moderate	Up to 12.5 Class
4	Dimensional Analysis of Bricks (minimum Sampling is 20 Nos.)	IS 1077-1992 (Rev – 5)		
(a)	Measurement of Length in mm		3854 mm	(3800 ± 80 mm)
(b)	Measurement of Width in mm		1835 mm	(1800 ± 40 mm)
(c)	Measurement of Height in mm		1432 mm	(1400 ± 40 mm)

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S.V. CIVIL ENGINEERING CONSULTANTS
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Job No.: SVCE/BBMP/VC/W.No.17/2016-17

Date: : 09.05.2016

TEST REPORT ON VITRIFIED TILES

*Client : **Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
*Contractor : **M/S Vrushabhadri Construction,** Bangalore.
*Name of the work : Construction of Second floor office for ARO (Yeshwanthpura) at JP park swimming pool parking area in ward no.17, BBMP, Bangalore.
Technical Reference : IS: 13630 - 2006 - Method of Testing Vetrified Tiles
IS 15622 - 2006 - Specification of Vetrified Tiles
No. of Samples Tested : 05 (Five)
Date of Testing : 09.05.2016

I. MODULUS OF RUPTURE

Sl. No.	Measured Dimension (mm)	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 9.1	47.8	47.02	Average 47, indivisual minimum 44 N/mm^2
2	600 x 600 x 9.6	46.7		
3	600 x 600 x 9.7	46.7		
4	600 x 600 x 9.8	47.2		
5	600 x 600 x 9.4	46.7		

II. CHEMICAL RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 9.1	No visible effect	Class AA, min (13630 Part 8)
2	600 x 600 x 9.6	No visible effect	
3	600 x 600 x 9.7	No visible effect	
4	600 x 600 x 9.8	No visible effect	
5	600 x 600 x 9.4	No visible effect	

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III. STAIN RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 9.1	Stain Removed by Water	Class 1, min (13630 Part 8)
2	600 x 600 x 9.6	Stain Removed by Water	
3	600 x 600 x 9.7	Stain Removed by Water	
4	600 x 600 x 9.8	Stain Removed by Water	
5	600 x 600 x 9.4	Stain Removed by Water	

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